

Name : _____

Score : _____

Teacher : _____

Date : _____

Dividing Radical Expressions

Simplify the Radical Expressions.

1) $\frac{3 - 3\sqrt{3}}{1 - 5\sqrt{5}}$

5) $\frac{\sqrt{55h^2}}{\sqrt{20h}}$

2) $\frac{2\sqrt{2c^2s^2}}{5\sqrt{5c^3s^2}}$

6) $\frac{1 - \sqrt{2}}{1 + \sqrt{11}}$

3) $\frac{1 - \sqrt{5d}}{\sqrt{2d}}$

7) $\frac{\sqrt{11}}{5\sqrt{7}}$

4) $\frac{7\sqrt{35}}{\sqrt{45}}$

8) $\frac{1}{1 + \sqrt{7}}$



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Dividing Radical Expressions

Simplify the Radical Expressions.

$$1) \quad \frac{3 - 3\sqrt{3}}{1 - 5\sqrt{5}}$$

$$\frac{3 + 15\sqrt{5} - 3\sqrt{3} - 15\sqrt{15}}{-124}$$

$$2) \quad \frac{2\sqrt{2c^2s^2}}{5\sqrt{5c^3s^2}}$$

$$\frac{2\sqrt{10c}}{25c}$$

$$3) \quad \frac{1 - \sqrt{5d}}{\sqrt{2d}}$$

$$\frac{\sqrt{2d} - d\sqrt{10}}{2d}$$

$$4) \quad \frac{7\sqrt{35}}{\sqrt{45}}$$

$$\frac{7\sqrt{7}}{3}$$

$$5) \quad \frac{\sqrt{55h^2}}{\sqrt{20h}}$$

$$\frac{\sqrt{11h}}{2}$$

$$6) \quad \frac{1 - \sqrt{2}}{1 + \sqrt{11}}$$

$$\frac{1 - \sqrt{11} - \sqrt{2} + \sqrt{22}}{-10}$$

$$7) \quad \frac{\sqrt{11}}{5\sqrt{7}}$$

$$\frac{\sqrt{77}}{35}$$

$$8) \quad \frac{1}{1 + \sqrt{7}}$$

$$\frac{1 - \sqrt{7}}{-6}$$

